Electronic Systems > Projectile Tracking

Aerial Weapon Scoring System

The Aerial Weapons Scoring System (AWSS) is an air-to-ground scoring system which was initially designed for U.S. Army attack helicopter crew qualification training.

The AWSS provides objective scoring results of live-fire exercises conducted from attack helicopters firing Caliber .50, 7.62-, 20-, and 40-millimeter (mm) projectiles and 2.75 inch training practice rockets and submunitions.

The AWSS also has the capability to objectively score simulated Hellfire missile engagements for helicopters equipped with the Hellfire Training Missile and Laser Designator.

Four subsystems comprise the AWSS: (1) Computer Scoring Subsystem; Bullet Scoring Subsystem; (3) Rocket Scoring Subsystem; and (4) Laser Aim Scoring Subsystem. These system elements may be procured individually or in specific combinations to meet user requirements.

The AWSS integrates three different scoring technologies into a single, portable system capable of easy transport and rapid installation at surveyed operating sites. Designed to provide accurate evaluation results in accordance with Army training standards, the AWSS is also flexible in meeting these scoring requirements while installed on the varied terrain of modern Army ranges. The AWSS has demonstrated 100% availability for all scheduled gunnery events to date.

Key features

- 24-Hour Operation for extended periods

- Easy Setup and Teardown

- Menu-driven, user friendly software

- 12 V dc power for all sensors

- Environmentally tested to MIL-STD-810D

- EMI tested to MIL-STD-461/462

- Light-weight, manportable sensors and accessories

- Built-in-Test and Diagnostics programs

- Hard copy score sheets for AAR and crew records

- Commander's Summary Report

- Adaptable to all helicopter gunnery ranges

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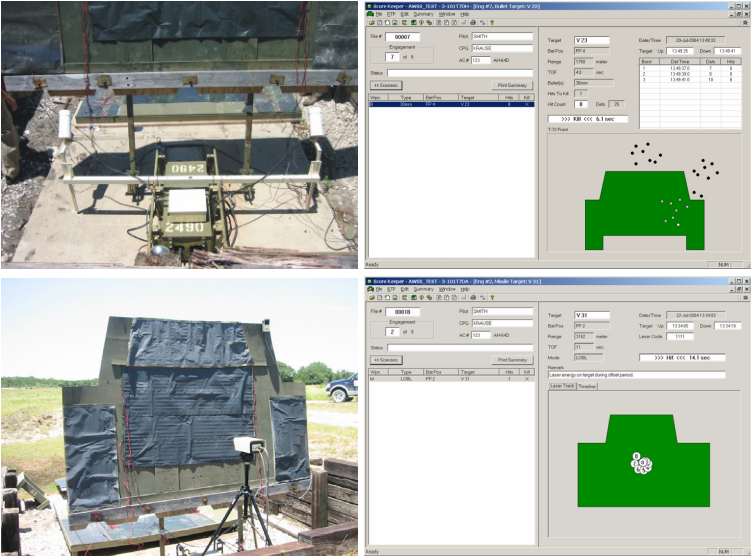
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Specifications

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Specification subject to change - TCO Review #132

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